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Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED AUGUST 15, 1964

ASEPTIC MENINGITIS

A total of 88 cases of aseptic meningitis was reported for the week ended August 15. This brings to 1,084 the cumulative total thus far in 1964. For the comparable period of 1963, 961 cases were reported. The cumulative cases through the 33rd week and the annual totals since 1960 are shown in the accompanying table.

The five States in the Pacific region have reported 388 cases (36 percent of the national total). Of these, 325 cases were reported from California; this year's cumulative total is not abnormally high for that State.

Of this week's reports, the 30 cases in Kentucky reflect an outbreak of ECHO-4 meningitis in Nelson County; an epidemiologic report appears on page 282.

Cumulative Cases Through 33rd Week

1964	1963	1962	1961	1960
1084	961	1167	1419	1363
		Annual Totals		
	1831*	2654	5162	1593

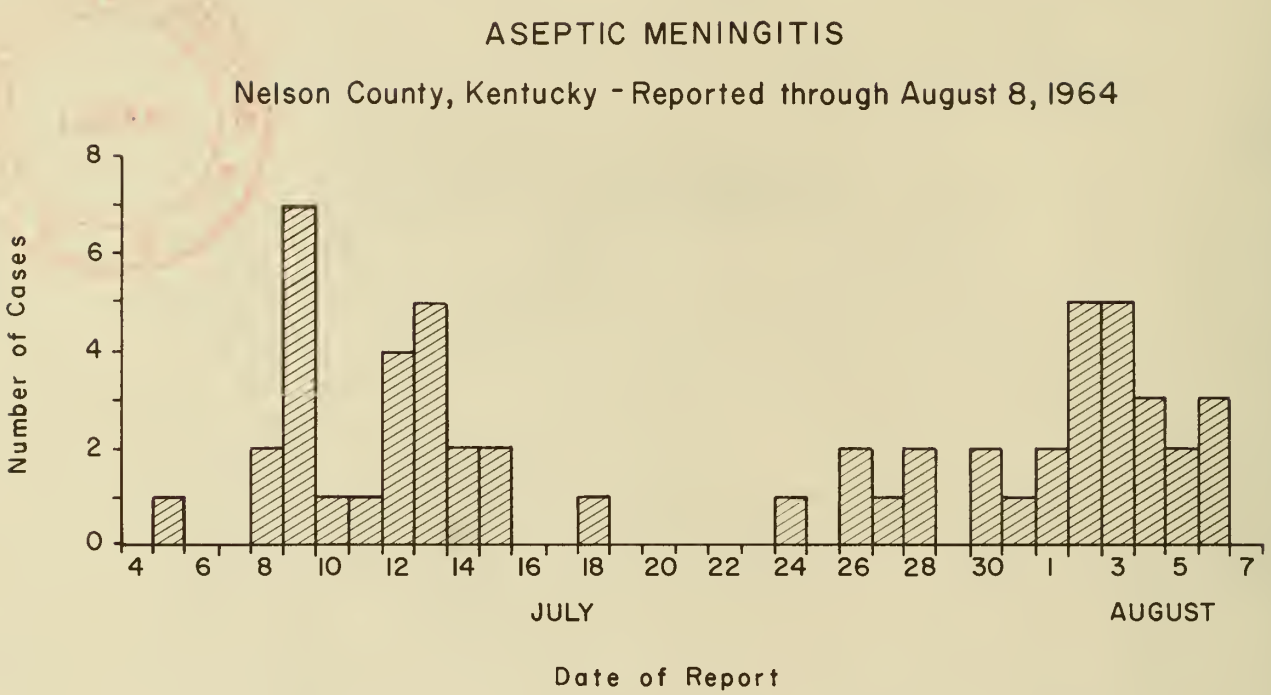
* Provisional total.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	33 rd Week Ended		Median	Cumulative, First 33 Weeks		
	August 15, 1964	August 17, 1963	1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	88	45	---	1,084	961	---
Brucellosis	14	7	10	270	233	388
Diphtheria	5	1	5	165	153	353
Encephalitis, primary infectious	35	27	---	1,237	993	---
Encephalitis, post-infectious	14		---	656		---
Hepatitis, infectious including serum hepatitis	541	746	746	25,368	28,354	28,356
Measles	919	1,183	1,407	431,759	355,346	383,740
Meningococcal infections	27	25	30	1,798	1,665	1,556
Poliomyelitis, Total	1	23	69	65	182	482
Paralytic	1	23	48	54	155	322
Nonparalytic	-	-	---	8	16	---
Unspecified	-	-	---	3	11	---
Streptococcal Sore Throat and Scarlet fever	4,079	2,828	---	279,339	238,988	---
Tetanus	7	1	---	165	153	---
Tularemia	10	10	---	217	185	---
Typhoid fever	6	20	21	255	288	451
Rabies in Animals	81	81	63	2,964	2,509	2,505

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Psittacosis: Ill - 1, Ohio - 1	26
Botulism:	11	Rabies in Man:	-
Leptospirosis: Md - 1, Tenn - 1	26	Smallpox:	-
Malaria: N.Y. Upstate - 1, Ga - 2, Calif - 1	55	Typhus-	
Plague:	-	Murine: Mich - 1	17
		Rky Mt. Spotted: NJ-1, Ill-1, NC-4, Ala-1, Va-4, Ore-1, Ohio-1, Okla-1	145



ASEPTIC MENINGITIS – Kentucky

Since July 5, a total of 71 cases of aseptic meningitis have been reported in Nelson County, Kentucky. Most of the cases occurred among school-age children. The illness is characterized by the sudden onset of severe headache, fever to 103° F, occasional chills, stiff neck, backache, sore throat, vomiting and anorexia. Two cases developed a faint macular rash. The duration of the illness is 3 to 7 days. Two separate waves of the illness were noted (See accompanying graph). There is evidence of continuing spread throughout Nelson County.

In those patients from whom cerebrospinal fluid was obtained, a range of 40 to 100 cells was seen; the percentage of lymphocytes varied from 40 to 100 percent.

ECHO-4 virus has been recovered from the stools of 11 of the patients and from the spinal fluid of 2 others. The spinal fluid isolations were made at the Virus Reference Laboratory of the CDC.

(Reported by Mr. J. Clifford Todd, M.P.H., State Epidemiologist, Kentucky State Department of Health.)

SALMONELLOSIS – Minnesota

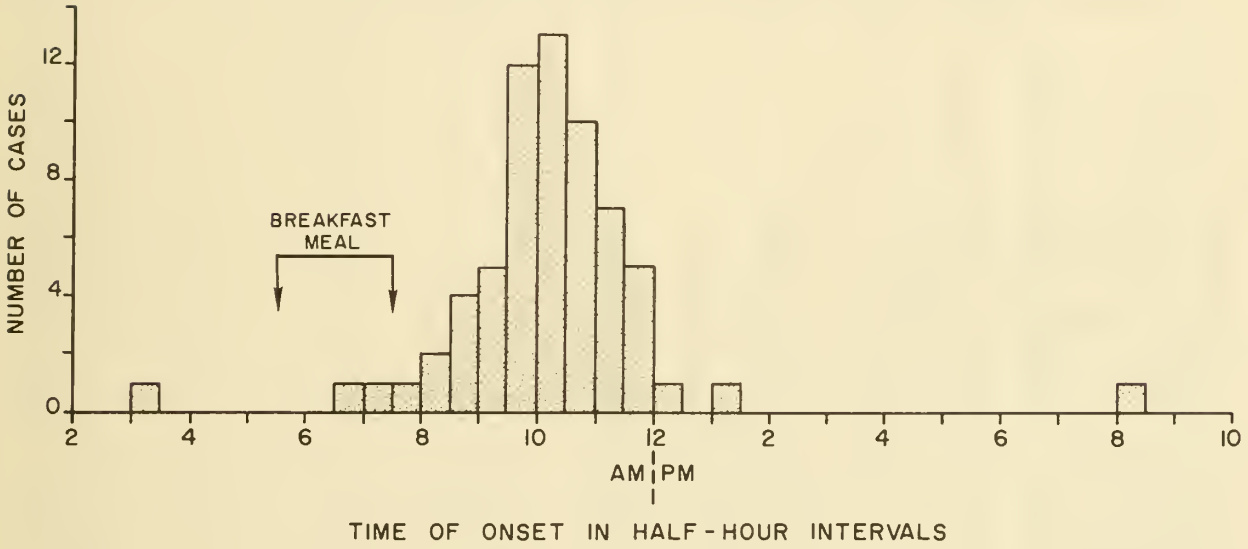
Two cases of salmonellosis in 2 Minnesota families were traced epidemiologically to infected turtles.

The first involved a 9-year-old boy who purchased 2 turtles in May. He experienced abdominal cramps, elevated temperature and one episode of bloody diarrhea on June 1. These symptoms persisted 3 days. *Salmonella braenderup* was recovered from the patient's stool, the turtle water at home, and turtle water at the retail store of origin.

The second incident involved 2 siblings, aged 2 and 4. The 4-year-old girl experienced elevated temperature and diarrhea on June 5. *Salmonella panama* was cultured from her stool. The same organism was cultured from the 2-year-old, who was asymptomatic. Although they had 2 pet turtles in their home for one year, they handled them for the 2 previous months only. About 6 weeks before this episode, the children cared for a neighbor's newly acquired turtle during that family's vacation; the children placed the neighbor's turtle in the bowl with their 2

(Continued on page 288)

STAPHYLOCOCCAL FOOD POISONING ON A MILITARY BASE
CASE BY ONSET OF FIRST SYMPTOMS
JULY 29, 1964



STAPHYLOCOCCAL FOOD POISONING
Southern Military Installation

An outbreak of gastroenteritis affecting at least 68 men occurred at a military installation in the South on July 29. The majority of cases had their onset 2 to 6 hours following the breakfast meal. (See accompanying graph). Diarrhea and vomiting were the main symptoms with some of the men complaining of cramping abdominal pains also.

Epidemiologic investigation revealed chipped beef with cream sauce to be the probable vehicle of contamination (see table). Staphylococci were cultured from this food in large amounts and was shown to be the same phage type as that cultured from the nose and a hand lesion of the man who prepared the beef. Studies to determine if this strain is an enterotoxin-producer are in progress.

The salted beef had been stored in a frozen food locker for 6 months and was removed in order to thaw on the afternoon of July 28. After thawing several hours, it was placed in a pan of water and left overnight at room temperature. A sauce was prepared the morning of July 29 and added to the beef immediately prior to being served, but the meat was never cooked.

(Reported by a team from CDC).

Type of Food	Consumed Food			Did Not Consume Food		
	No.	Ill	Attack Rate (%)	No.	Ill	Attack Rate (%)
Tomato Juice	204	47	23	263	21	8
Canteloupe	290	53	18	177	15	8
Chipped Beef with Sauce	147	60	41	320	8	3
Potatoes	161	44	27	306	24	8
Eggs	169	39	23	298	29	10
Pastry	204	34	17	263	34	13
Toast	238	46	19	229	22	10
Milk	301	50	17	166	18	11

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
AUGUST 15, 1964 AND AUGUST 17, 1963 (33RD WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	88	45	35	14	1	23	65	182	1	23	54	155
NEW ENGLAND.....	-	2	2	1	-	-	1	2	-	-	1	2
Maine.....	-	-	-	-	-	-	-	1	-	-	-	1
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	1	-	-	-	1
Rhode Island.....	-	2	1	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	1	1	-	-	1	-	-	-	1	-
MIDDLE ATLANTIC.....	13	-	8	-	-	3	10	40	-	3	10	30
New York City.....	1	-	2	-	-	-	1	-	-	-	1	-
New York, Up-State.	7	-	2	-	-	-	7	7	-	-	7	5
New Jersey.....	2	-	3	-	-	-	2	1	-	-	2	1
Pennsylvania.....	3	-	1	-	-	3	-	32	-	3	-	24
EAST NORTH CENTRAL...	9	9	5	-	-	5	9	29	-	5	8	21
Ohio.....	1	1	2	-	-	1	2	8	-	1	2	4
Indiana.....	-	1	-	-	-	-	1	2	-	-	1	1
Illinois.....	3	3	2	-	-	2	4	11	-	2	4	10
Michigan.....	5	4	1	-	-	1	1	4	-	1	-	4
Wisconsin.....	-	-	-	-	-	1	1	4	-	1	1	2
WEST NORTH CENTRAL...	2	3	1	-	-	-	3	5	-	-	2	4
Minnesota.....	2	3	1	-	-	-	-	3	-	-	-	3
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	2	-	-	-	1	-
North Dakota.....	-	-	-	-	-	-	-	1	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	1	-	-	-	1
Kansas.....	-	-	-	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	1	4	12	-	-	3	22	26	-	3	17	23
Delaware.....	-	-	-	-	-	1	-	1	-	1	-	1
Maryland.....	1	-	1	-	-	-	1	-	-	-	1	-
Dist. of Columbia..	-	2	-	-	-	-	-	-	-	-	-	-
Virginia.....	-	1	4	-	-	-	-	2	-	-	-	1
West Virginia.....	-	1	-	-	-	-	1	2	-	-	1	2
North Carolina.....	-	-	-	-	-	-	9	3	-	-	5	3
South Carolina.....	-	-	-	-	-	-	2	5	-	-	2	4
Georgia.....	-	-	2	-	-	1	1	6	-	1	1	5
Florida.....	-	-	5	-	-	1	8	7	-	1	7	7
EAST SOUTH CENTRAL...	31	5	1	-	-	9	5	38	-	9	4	36
Kentucky.....	30	4	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	1	3	5	-	1	2	5
Alabama.....	1	-	1	-	-	7	2	30	-	7	2	28
Mississippi.....	-	1	-	-	-	1	-	3	-	1	-	3
WEST SOUTH CENTRAL...	7	6	2	-	1	1	6	21	1	1	6	21
Arkansas.....	-	3	-	-	-	-	-	3	-	-	-	3
Louisiana.....	-	-	-	-	-	-	-	13	-	-	-	13
Oklahoma.....	1	1	2	-	-	-	2	-	-	-	2	-
Texas.....	6	2	-	-	1	1	4	5	1	1	4	5
MOUNTAIN.....	-	2	-	-	-	-	6	2	-	-	3	1
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	1	-	-	-	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	-	-	-	-	-	-	1	-	-	-	1	-
New Mexico.....	-	-	-	-	-	-	3	1	-	-	-	-
Arizona.....	-	1	-	-	-	-	-	-	-	-	-	-
Utah.....	-	1	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	25	14	4	13	-	2	3	19	-	2	3	17
Washington.....	1	-	-	1	-	1	-	2	-	1	-	2
Oregon.....	1	-	-	-	-	-	1	2	-	-	1	1
California.....	23	14	4	12	-	1	2	15	-	1	2	14
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	4	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

AUGUST 15, 1964 AND AUGUST 17, 1963 (33RD WEEK) - CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	14	270	5	165	541	234	279	28	25,368	28,354	6	255
NEW ENGLAND.....	-	2	-	43	30	13	17	-	2,415	3,058	-	13
Maine.....	-	-	-	39	10	5	5	-	787	1,394	-	-
New Hampshire.....	-	-	-	-	4	1	3	-	177	267	-	-
Vermont.....	-	-	-	-	4	2	2	-	306	51	-	-
Massachusetts.....	-	2	-	4	7	3	4	-	507	871	-	6
Rhode Island.....	-	-	-	-	-	-	-	-	125	72	-	6
Connecticut.....	-	-	-	-	5	2	3	-	513	403	-	1
MIDDLE ATLANTIC.....	1	5	-	7	122	53	69	-	5,697	5,532	3	40
New York City.....	-	-	-	3	16	3	13	-	864	813	-	15
New York, Up-State.	-	2	-	-	50	19	31	-	2,532	2,449	1	9
New Jersey.....	-	-	-	2	18	5	13	-	1,003	832	-	1
Pennsylvania.....	1	3	-	2	38	26	12	-	1,298	1,438	2	15
EAST NORTH CENTRAL...	2	35	-	8	87	39	44	4	3,923	4,639	-	60
Ohio.....	-	2	-	-	25	6	16	3	1,039	1,280	-	23
Indiana.....	-	1	-	1	5	2	2	1	346	419	-	11
Illinois.....	1	22	-	6	22	12	10	-	694	995	-	14
Michigan.....	-	5	-	1	32	16	16	-	1,547	1,740	-	9
Wisconsin.....	1	5	-	-	3	3	-	-	297	205	-	3
WEST NORTH CENTRAL...	2	122	2	24	28	12	13	3	1,370	1,283	2	24
Minnesota.....	1	7	-	11	5	1	3	1	143	199	-	2
Iowa.....	1	79	-	-	11	6	5	-	198	237	-	3
Missouri.....	-	8	-	1	3	1	1	1	342	478	1	9
North Dakota.....	-	2	-	2	-	-	-	-	52	37	-	2
South Dakota.....	-	13	-	1	1	1	-	-	112	79	-	1
Nebraska.....	-	11	2	2	1	-	-	1	35	92	1	3
Kansas.....	-	2	-	7	7	3	4	-	488	161	-	4
SOUTH ATLANTIC.....	2	27	3	34	58	30	28	-	2,392	2,889	-	54
Delaware.....	-	-	-	-	2	2	-	-	46	40	-	-
Maryland.....	-	-	-	-	6	5	1	-	448	349	-	3
Dist. of Columbia..	-	-	-	-	1	-	1	-	40	82	-	-
Virginia.....	2	13	-	-	9	4	5	-	374	607	-	10
West Virginia.....	-	-	-	-	8	6	2	-	368	448	-	-
North Carolina.....	-	3	-	-	3	-	3	-	419	739	-	15
South Carolina.....	-	-	-	7	5	2	3	-	90	120	-	10
Georgia.....	-	8	-	20	-	-	-	-	60	119	-	2
Florida.....	-	3	3	7	24	11	13	-	547	385	-	14
EAST SOUTH CENTRAL...	2	14	-	6	22	10	12	-	1,768	2,751	-	25
Kentucky.....	1	4	-	-	4	2	2	-	685	794	-	7
Tennessee.....	-	4	-	1	15	7	8	-	601	1,065	-	11
Alabama.....	1	4	-	3	1	-	1	-	319	427	-	5
Mississippi.....	-	2	-	2	2	1	1	-	163	465	-	2
WEST SOUTH CENTRAL...	2	26	-	27	51	29	19	3	1,910	1,985	-	17
Arkansas.....	-	4	-	-	2	2	-	-	192	219	-	8
Louisiana.....	1	3	-	5	14	9	5	-	439	389	-	3
Oklahoma.....	1	4	-	-	1	-	1	-	99	94	-	4
Texas.....	-	15	-	22	34	18	13	3	1,180	1,283	-	2
MOUNTAIN.....	3	24	-	2	29	8	3	18	1,559	1,836	-	7
Montana.....	-	-	-	-	3	1	-	2	140	240	-	-
Idaho.....	-	-	-	-	6	-	-	6	189	288	-	-
Wyoming.....	-	-	-	-	1	1	-	-	48	25	-	1
Colorado.....	-	-	-	-	4	2	-	2	427	373	-	-
New Mexico.....	-	1	-	1	5	3	2	-	221	214	-	2
Arizona.....	-	2	-	1	8	-	-	8	355	430	-	4
Utah.....	3	20	-	-	2	1	1	-	129	250	-	-
Nevada.....	-	1	-	-	-	-	-	-	50	16	-	-
PACIFIC.....	-	15	-	14	114	40	74	-	4,334	4,381	1	15
Washington.....	-	-	-	13	4	1	3	-	473	750	-	2
Oregon.....	-	2	-	-	6	2	4	-	479	548	-	-
California.....	-	13	-	1	97	37	60	-	3,163	2,943	1	13
Alaska.....	-	-	-	-	-	-	-	-	131	109	-	-
Hawaii.....	-	-	-	-	7	-	7	-	88	31	-	-
Puerto Rico	-	-	-	9	20	16	4	-	563	509	-	9

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
AUGUST 15, 1964 AND AUGUST 17, 1963 (33RD WEEK) - CONTINUED

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	919	27	1,798	1,665	4,079	2,828	7	165	10	217	81	2,964
NEW ENGLAND.....	87	1	50	103	314	166	-	8	-	1	-	28
Maine.....	14	-	5	17	87	5	-	-	-	-	-	24
New Hampshire.....	2	-	1	4	4	-	-	-	-	-	-	1
Vermont.....	6	-	1	3	-	-	-	-	-	-	-	2
Massachusetts.....	35	-	20	50	25	22	-	8	-	1	-	1
Rhode Island.....	10	1	8	9	7	9	-	-	-	-	-	-
Connecticut.....	20	-	15	20	191	130	-	-	-	-	-	-
MIDDLE ATLANTIC.....	76	10	242	231	130	99	1	16	-	-	2	86
New York City.....	19	1	33	35	3	7	-	-	-	-	-	-
New York, Up-State.	40	2	69	72	108	71	-	5	-	-	2	82
New Jersey.....	8	4	84	32	11	9	-	5	-	-	-	-
Pennsylvania.....	9	3	56	92	8	12	1	6	-	-	-	4
EAST NORTH CENTRAL...	191	3	256	260	345	139	-	30	-	16	14	417
Ohio.....	14	-	68	73	13	9	-	8	-	1	5	220
Indiana.....	39	1	40	31	135	30	-	5	-	2	1	20
Illinois.....	15	1	64	50	38	21	-	10	-	10	1	82
Michigan.....	78	1	57	79	100	50	-	6	-	1	1	41
Wisconsin.....	45	-	27	27	59	29	-	1	-	2	6	54
WEST NORTH CENTRAL...	38	2	116	104	128	110	-	9	3	47	22	957
Minnesota.....	1	-	26	21	3	6	-	1	-	2	10	294
Iowa.....	13	-	6	5	28	18	-	3	-	1	9	346
Missouri.....	1	2	55	33	25	4	-	3	2	24	-	145
North Dakota.....	15	-	15	8	64	27	-	-	-	-	1	49
South Dakota.....	8	-	-	5	2	4	-	1	1	12	-	73
Nebraska.....	-	-	6	21	-	-	-	-	-	-	2	28
Kansas.....	NN	-	8	11	6	51	-	1	-	8	-	22
SOUTH ATLANTIC.....	67	3	383	313	483	284	3	50	-	20	18	405
Delaware.....	-	-	6	2	11	1	-	-	-	-	-	-
Maryland.....	3	-	25	49	31	5	-	3	-	-	-	-
Dist. of Columbia..	-	-	12	6	6	-	-	-	-	1	-	-
Virginia.....	4	1	46	72	101	84	-	5	-	4	7	216
West Virginia.....	26	-	27	16	145	60	-	1	-	-	1	25
North Carolina.....	1	2	67	52	8	36	-	13	-	4	-	5
South Carolina.....	1	-	49	15	12	16	-	4	-	-	-	2
Georgia.....	-	-	53	24	1	-	-	3	-	11	7	89
Florida.....	32	-	98	77	168	82	3	21	-	-	3	68
EAST SOUTH CENTRAL...	44	-	155	124	891	662	1	16	-	25	9	356
Kentucky.....	5	-	51	27	168	38	1	3	-	1	1	48
Tennessee.....	38	-	52	54	692	592	-	8	-	17	8	293
Alabama.....	1	-	34	21	25	7	-	4	-	3	-	15
Mississippi.....	-	-	18	22	6	25	-	1	-	4	-	-
WEST SOUTH CENTRAL...	126	2	163	160	605	441	1	17	3	74	12	418
Arkansas.....	-	-	19	11	7	-	-	5	3	41	1	102
Louisiana.....	2	2	109	65	1	2	-	3	-	3	1	33
Oklahoma.....	7	-	7	29	14	6	-	-	-	19	1	71
Texas.....	117	-	28	55	583	433	1	9	-	11	9	212
MOUNTAIN.....	114	-	65	55	630	516	1	5	1	31	1	104
Montana.....	18	-	-	3	10	30	-	-	-	18	-	-
Idaho.....	21	-	3	4	22	64	-	-	-	-	-	-
Wyoming.....	-	-	5	4	1	13	1	2	-	4	-	-
Colorado.....	15	-	11	14	179	100	-	-	-	-	-	8
New Mexico.....	5	-	26	4	277	142	-	1	-	-	-	47
Arizona.....	37	-	5	9	103	67	-	1	-	-	1	46
Utah.....	16	-	7	14	38	99	-	1	1	9	-	1
Nevada.....	2	-	8	3	-	1	-	-	-	-	-	2
PACIFIC.....	176	6	368	315	553	411	-	14	3	3	3	193
Washington.....	8	2	29	25	57	59	-	1	-	-	-	-
Oregon.....	22	-	21	23	8	1	-	-	1	1	1	7
California.....	135	4	299	248	460	315	-	12	2	2	2	186
Alaska.....	2	-	7	11	18	21	-	-	-	-	-	-
Hawaii.....	9	-	12	8	10	15	-	1	-	-	-	-
Puerto Rico	115	-	28	6	6	6	1	49	-	-	1	16

Table 4 (A) TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	7/25	8/1	8/8	8/15
NEW ENGLAND:				
Boston, Mass.	237	233	178	229
Bridgeport, Conn.	35	48	36	45
Cambridge, Mass.	24	31	31	18
Fall River, Mass.	24	24	20	18
Hartford, Conn.	60	65	42	60
Lowell, Mass.	25	24	21	24
Lynn, Mass.	27	23	15	16
New Bedford, Mass.	22	17	21	22
New Haven, Conn.	48	32	43	38
Providence, R.I.	71	69	60	67
Somerville, Mass.	15	12	7	11
Springfield, Mass.	38	34	29	46
Waterbury, Conn.	23	25	37	24
Worcester, Mass.	73	52	47	47
MIDDLE ATLANTIC:				
Albany, N.Y.	39	49	37	42
Allentown, Pa.	39	23	26	42
Buffalo, N.Y.	134	149	116	130
Camden, N.J.	47	41	34	36
Elizabeth, N.J.	37	28	35	30
Erie, Pa.	56	34	31	35
Jersey City, N.J.	53	58	72	69
Newark, N.J.	113	87	90	86
New York City, N.Y.	1,648	1,497	1,438	1,480
Paterson, N.J.	42	33	30	36
Philadelphia, Pa.	550	553	379	296
Pittsburgh, Pa.	110	268	208	174
Reading, Pa.	47	41	39	48
Rochester, N.Y.	118	103	81	94
Schenectady, N.Y.	18	23	22	21
Scranton, Pa.	44	27	32	38
Syracuse, N.Y.	79	60	74	55
Trenton, N.J.	54	38	39	37
Utica, N.Y.	30	28	34	25
Yonkers, N.Y.	33	35	35	25
EAST NORTH CENTRAL:				
Akron, Ohio	58	76	64	47
Canton, Ohio	40	47	36	35
Chicago, Ill.	747	778	716	697
Cincinnati, Ohio	166	168	190	166
Cleveland, Ohio	205	204	223	182
Columbus, Ohio	127	135	124	112
Dayton, Ohio	75	100	88	87
Detroit, Mich.	298	512	400	314
Evansville, Ind.	35	45	51	38
Flint, Mich.	25	58	48	48
Fort Wayne, Ind.	48	48	39	31
Gary, Ind.	29	34	35*	60
Grand Rapids, Mich.	51	51	48	50
Indianapolis, Ind.	146	169	182	168
Madison, Wis.	33	34	38	30
Milwaukee, Wis.	116	158	131	111
Peoria, Ill.	30	31	34	19
Rockford, Ill.	27	32	32	24
South Bend, Ind.	39	40	25	40
Toledo, Ohio	106	133	119	69
Youngstown, Ohio	67	60	56	57
WEST NORTH CENTRAL:				
Des Moines, Iowa	72	45	65	71
Duluth, Minn.	24	20	16	17
Kansas City, Kans.	41	46	43	43*
Kansas City, Mo.	138	148	128	141
Lincoln, Nebr.	24	42	25	25
Minneapolis, Minn.	166	154	124	127
Omaha, Nebr.	73	82	64	89
St. Louis, Mo.	228	264	251	253
St. Paul, Minn.	89	75	79	75
Wichita, Kans.	42	54	49	58
SOUTH ATLANTIC:				
Atlanta, Ga.	95	116	104	121
Baltimore, Md.	255	232	220	262
Charlotte, N.C.	33	32	41	28
Jacksonville, Fla.	69	56	66	68
Miami, Fla.	62	84	73	74
Norfolk, Va.	39	57	63	54
Richmond, Va.	84	67	81	77
Savannah, Ga.	40	37	35	18
St. Petersburg, Fla.	72	57	76	74
Tampa, Fla.	67	54	92	90
Washington, D.C.	227	200	207	155
Wilmington, Del.	46	39	33	42
EAST SOUTH CENTRAL:				
Birmingham, Ala.	89	92	105	77
Chattanooga, Tenn.	50	29	49	48
Knoxville, Tenn.	36	39	25	52
Louisville, Ky.	117	154	140	125*
Memphis, Tenn.	114	139	124	132
Mobile, Ala.	34	39	46	48
Montgomery, Ala.	38	26	34	22
Nashville, Tenn.	81	110	86	103
WEST SOUTH CENTRAL:				
Austin, Tex.	40	27	25	43
Baton Rouge, La.	25	22	30	34
Corpus Christi, Tex.	16	24	23	29
Dallas, Tex.	139	138	141	144
El Paso, Tex.	44	39	39	24
Fort Worth, Tex.	75	85	75	76
Houston, Tex.	181	212	180	234
Little Rock, Ark.	51	59	46	60
New Orleans, La.	151	177	221	207
Oklahoma City, Okla.	62	94	97	90
San Antonio, Tex.	100	91	101	97
Shreveport, La.	70	40	51	54
Tulsa, Okla.	55	55	67	84
MOUNTAIN:				
Albuquerque, N. Mex.	25	24	21	39
Colorado Springs, Colo.	17	15	15	29
Denver, Colo.	112	101	131	106
Ogden, Utah	10	10	21	23
Phoenix, Ariz.	86	93	78	98
Pueblo, Colo.	17	12	18	14
Salt Lake City, Utah	53	52	53	45
Tucson, Ariz.	37	42	42	42
PACIFIC:				
Berkeley, Calif.	15	15	17	14
Fresno, Calif.	53	42	42	51
Glendale, Calif.	31	40	30	46
Honolulu, Hawaii	49	50	41	39
Long Beach, Calif.	65	63	52	58
Los Angeles, Calif.	493	486	461	508
Oakland, Calif.	87	119	113	105
Pasadena, Calif.	24	33	27	27
Portland, Oreg.	124	96	110	98
Sacramento, Calif.	62	58	56	59*
San Diego, Calif.	92	88	102	90
San Francisco, Calif.	183	160	154	180
San Jose, Calif.	41	29	23	34
Seattle, Wash.	105	129	123	110
Spokane, Wash.	41	61	49	45
Tacoma, Wash.	44	-	40	40

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 10,897
4(B) Pneumonia-Influenza Deaths, all ages..... 378
4(C) Total Deaths under 1 Year of Age..... 779
4(D) Total Deaths, Persons 65 years and over..... 5,822

NOTE: All deaths by place of occurrence.

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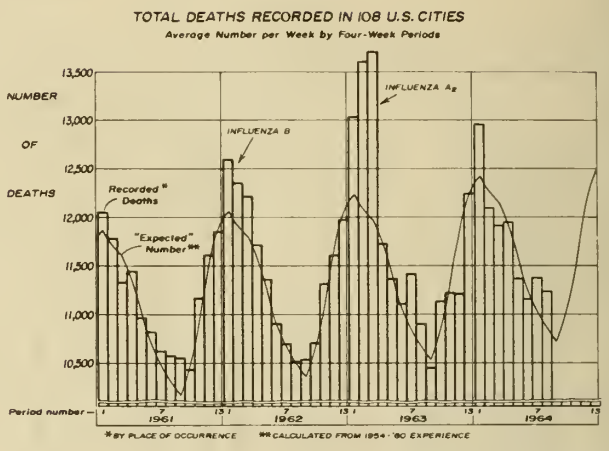
TOTAL DEATHS REPORTED IN 108 CITIES

The weekly average number of total deaths in 108 cities for the four-week period ending August 15 was 11,235 as compared with an expected weekly average of 10,873.



TOTAL DEATHS REPORTED IN 108 CITIES

	Week Ending				4 Week	Weekly
	7/25	8/1	8/8	8/15	Total	Average
Observed	11,358	11,648	11,037	10,897	44,940	11,235
Expected	10,950	10,901	10,847	10,793	43,491	10,873
Excess	408	747	190	104	1,449	362

(See table, page 281)

(SALMONELLOSIS - continued from page 282)

turtles. *Salmonella panama* was isolated also from the 2 pet turtles and from samples taken at the retail store. At the time of the epidemiologic investigation, the neighbors had moved to an unknown address, and their turtle was not available for culture.

(Reported by D. S. Fleming, M.D., M.P.H., Director, Division of Disease Prevention and Control, Minnesota Department of Health, and an EIS Officer.)

Editor's Note: An earlier report of 14 cases of salmonellosis in Minnesota acquired from turtles appeared in the MMWR Vol. 13, p. 177. *S. panama* was the serotype involved in that outbreak.

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MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: - - - DATA NOT AVAILABLE
- QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.

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